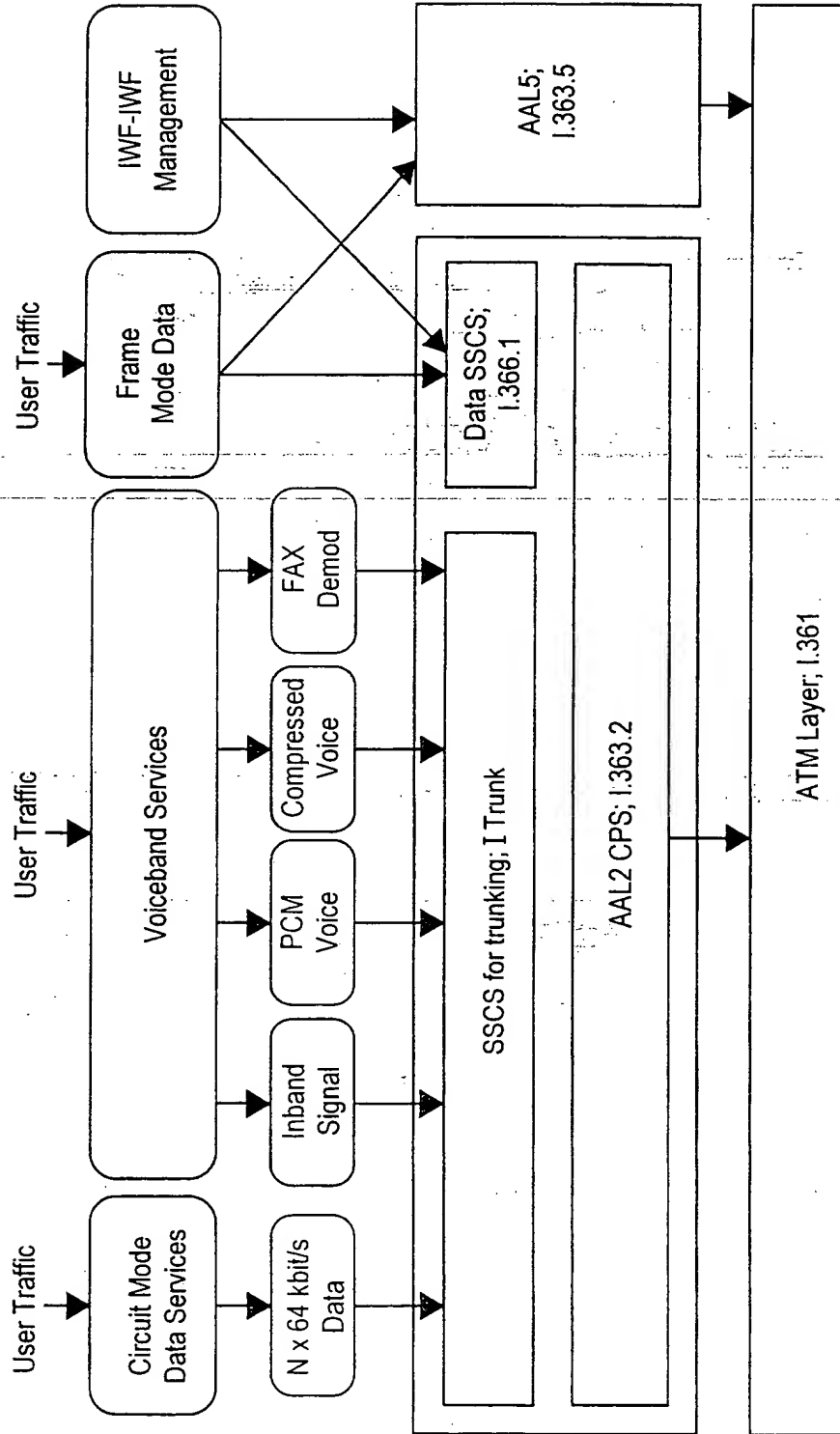
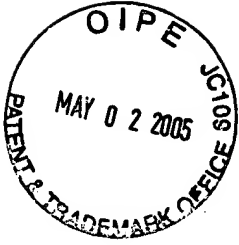
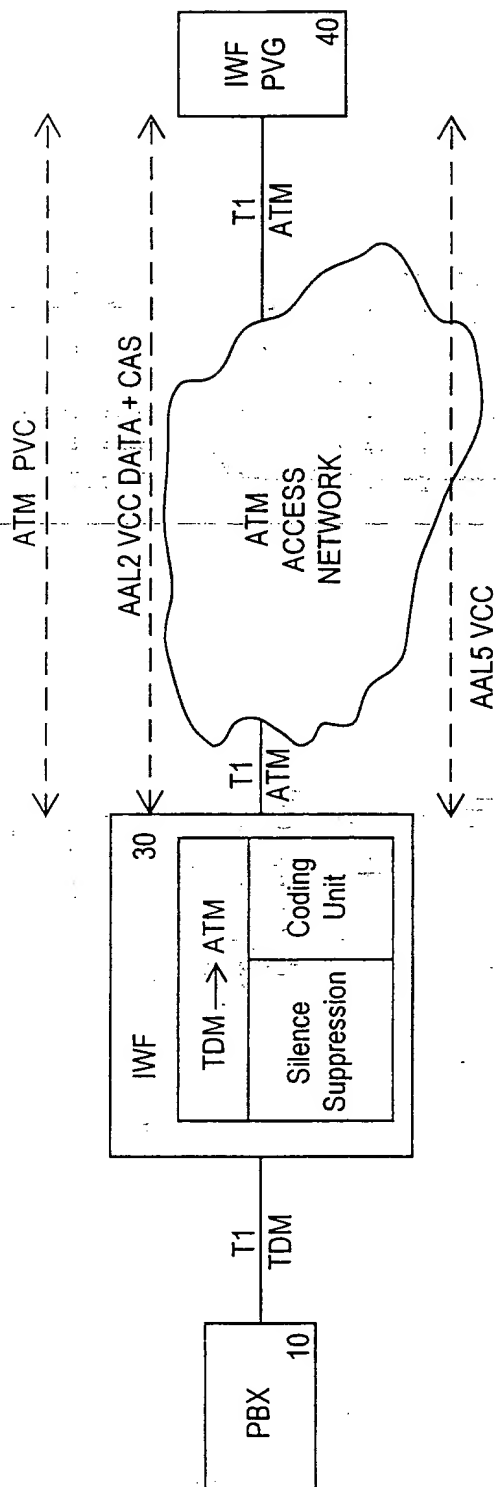


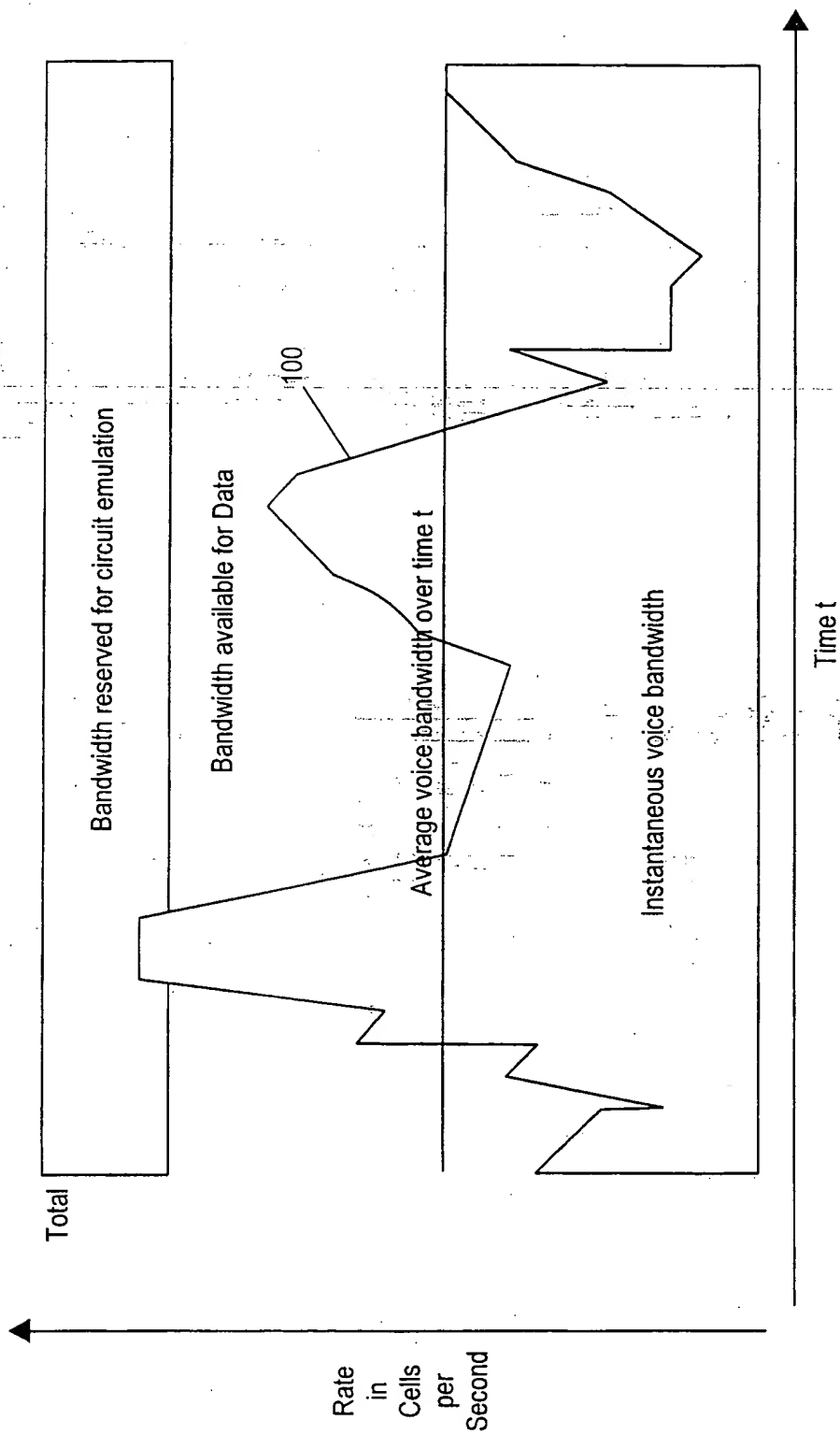
**Fig. 1**



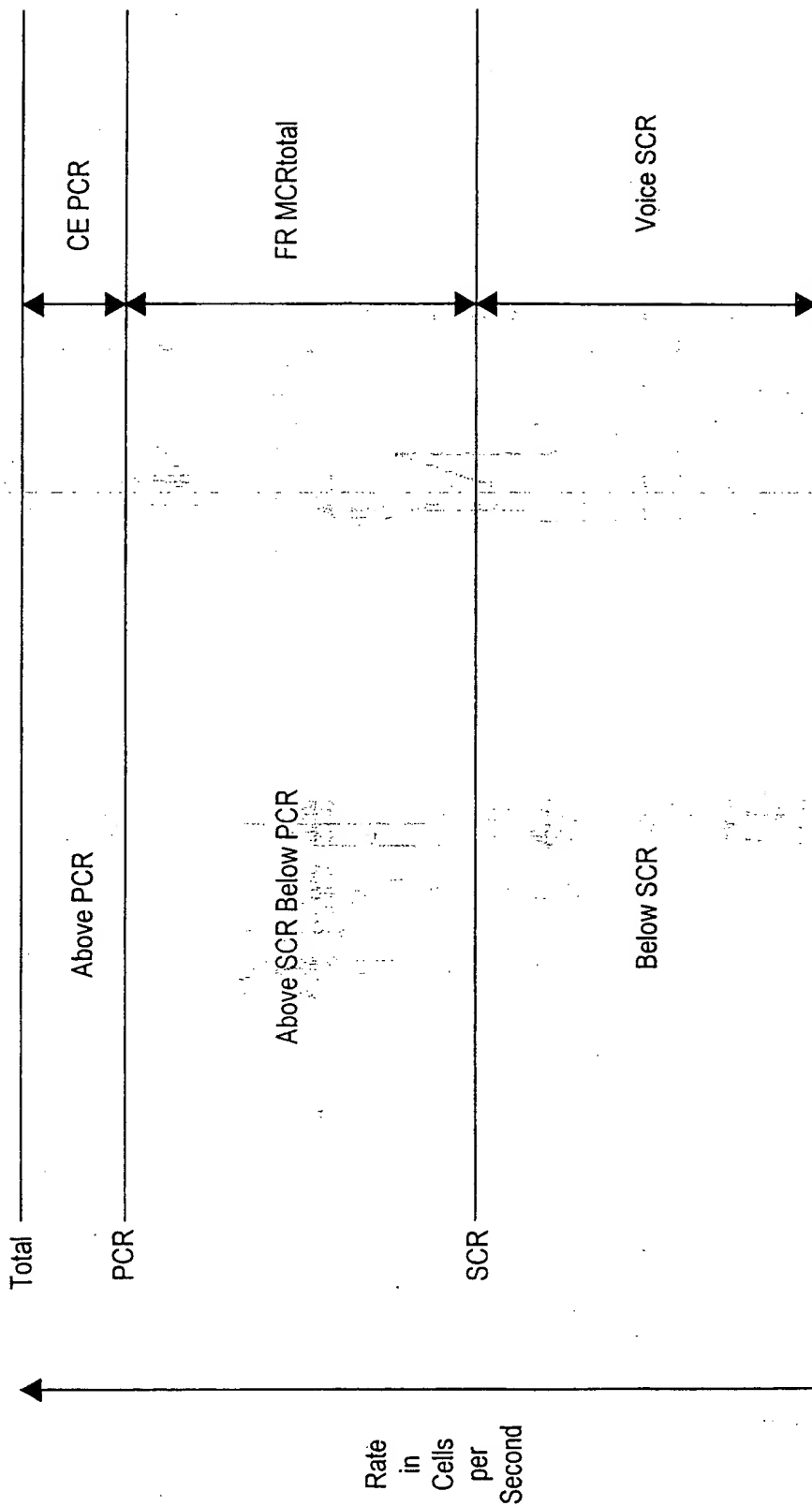
*Fig. 2*



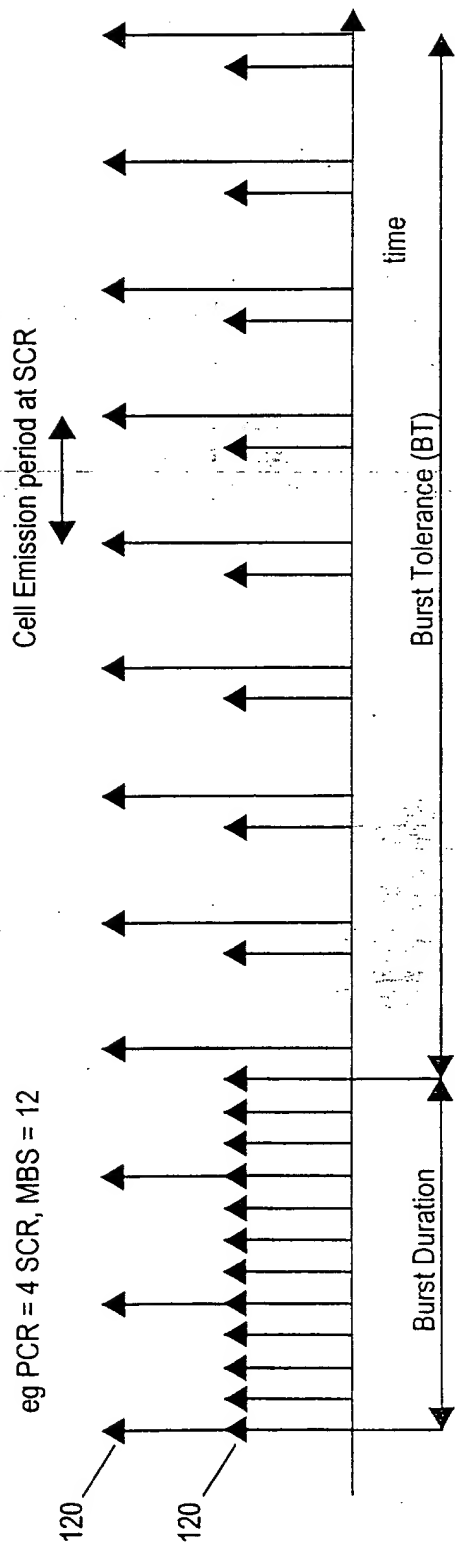
**Fig. 3**



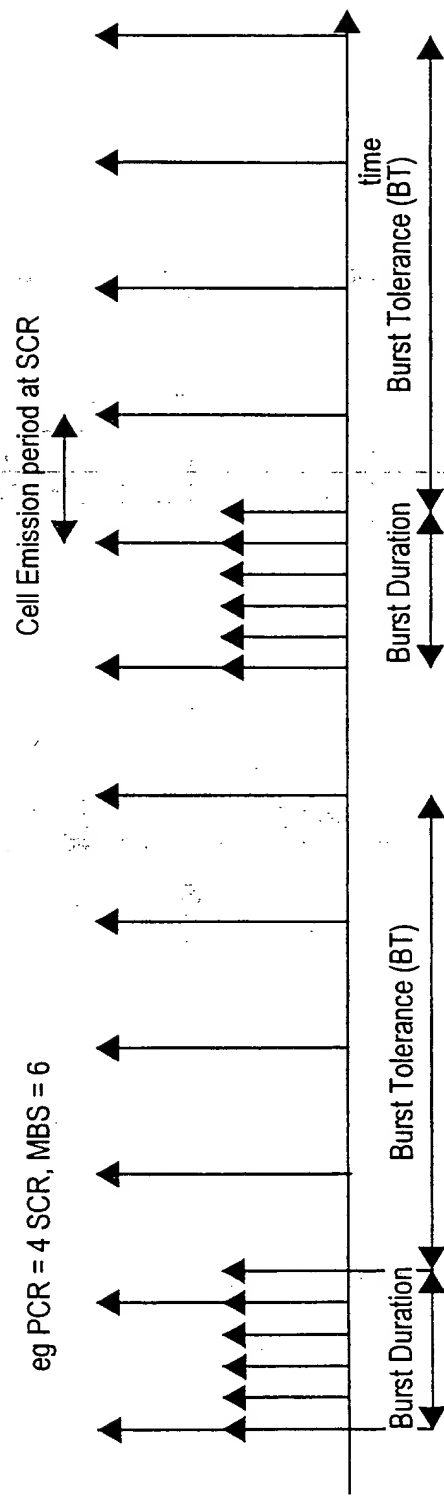
**Fig. 4**



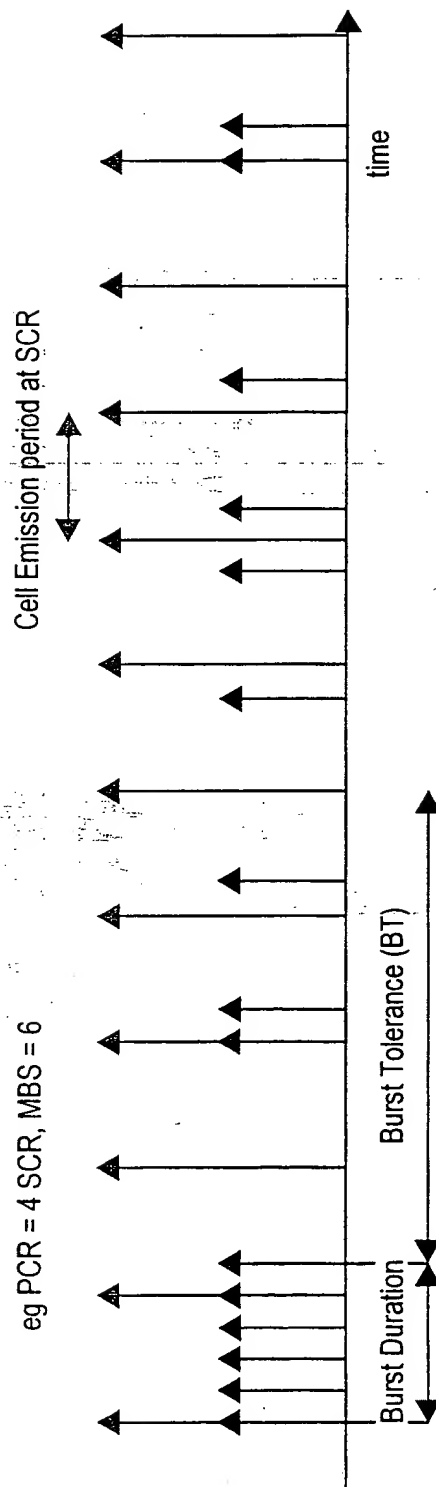
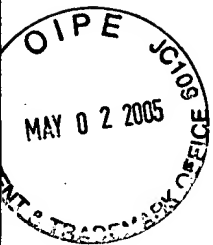
**Fig. 5**



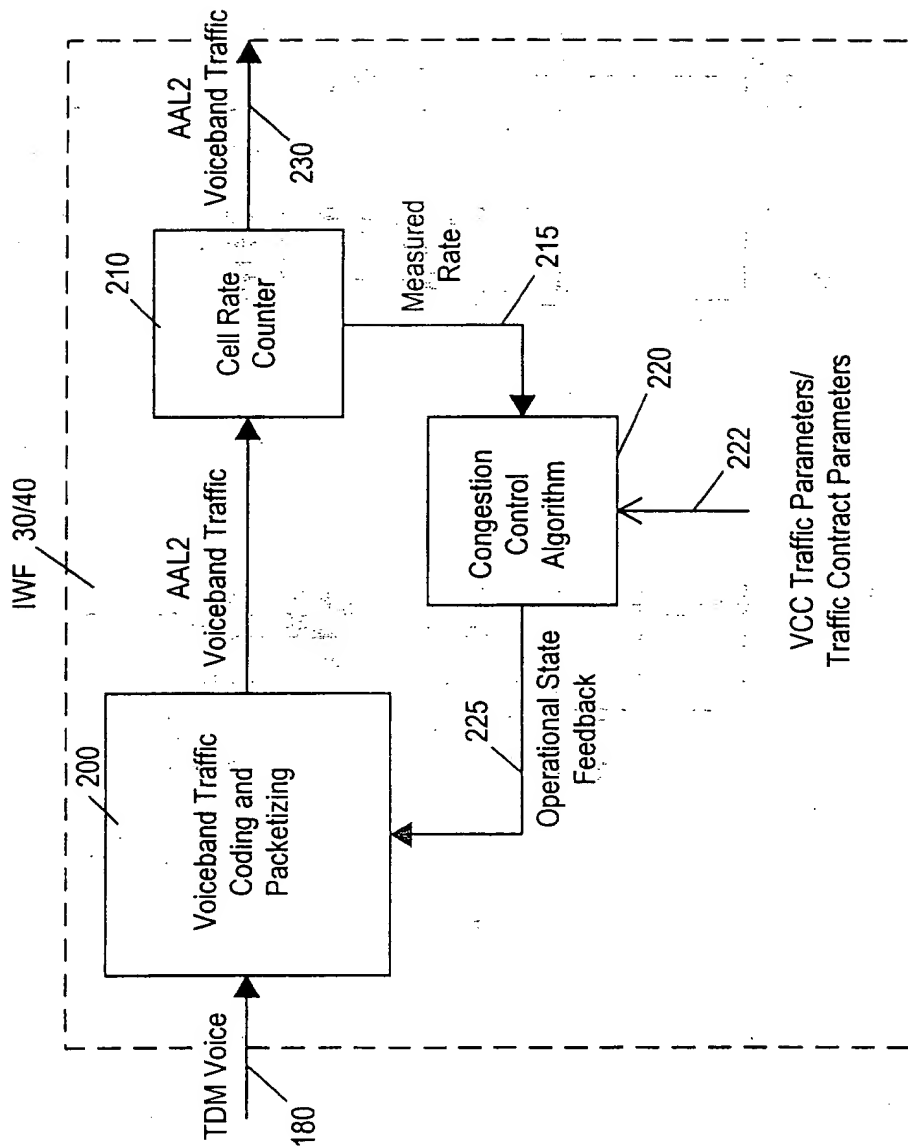
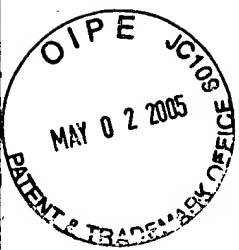
*Fig. 6*



*Fig. 7*

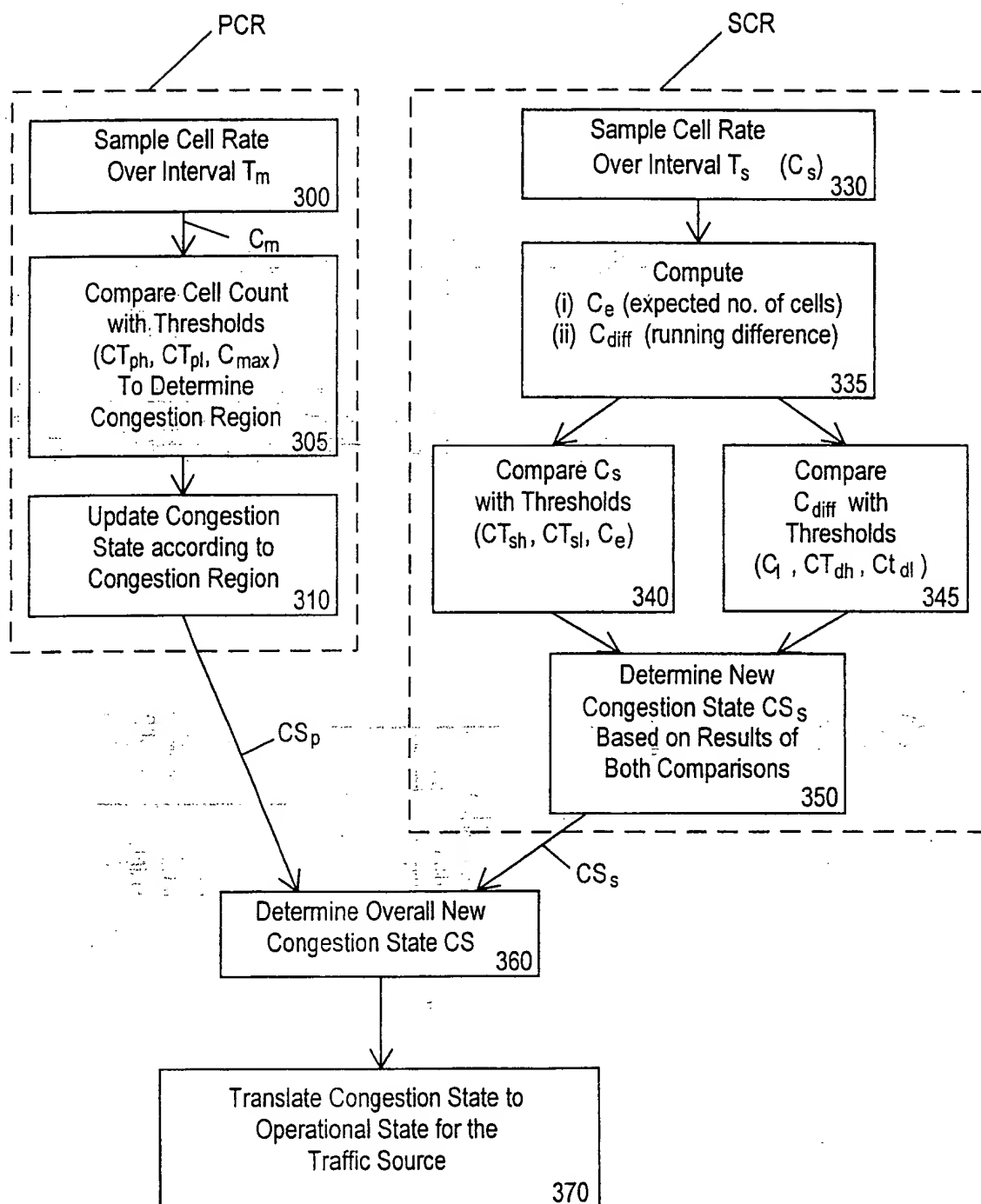


**Fig. 8**

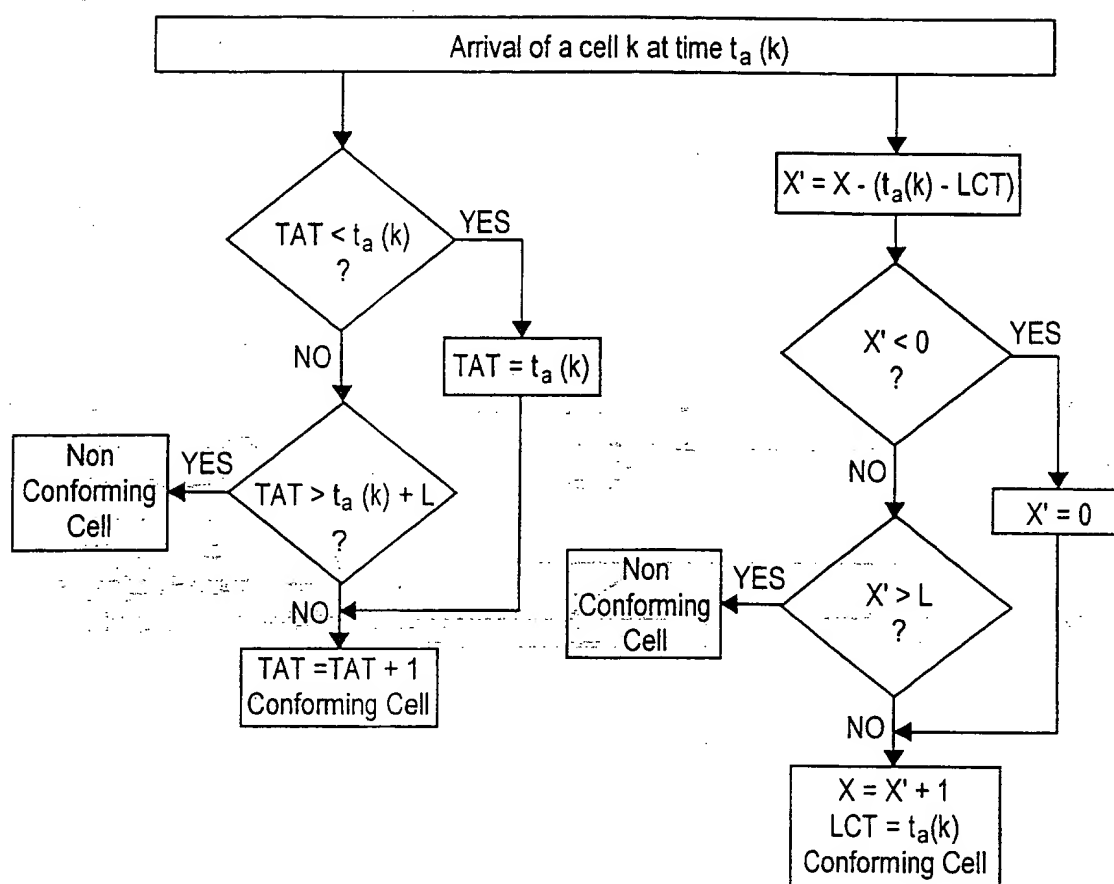


**Fig. 9**





**Fig.10**



### VIRTUAL SCHEDULING ALGORITHM

TAT Theoretical Arrival Time  
 $t_a(k)$  Time of Arrival of a cell

### CONTINUOUS-STATE LEAKY BUCKET ALGORITHM

X Value of the Leaky Bucket Counter  
 $X'$  Auxiliary Variable  
 LCT Last Compliance Time

I Increment  
 L Limit

At the time of arrival  $t_a$  of the first cell of the connection,  $TAT = t_a(1)$

At the time of arrival  $t_a$  of the first cell of the connection,  $X = 0$  and  $LCT = t_a(k)$

***(Prior Art)***  
***Fig.11***



PCR Congestion Regions

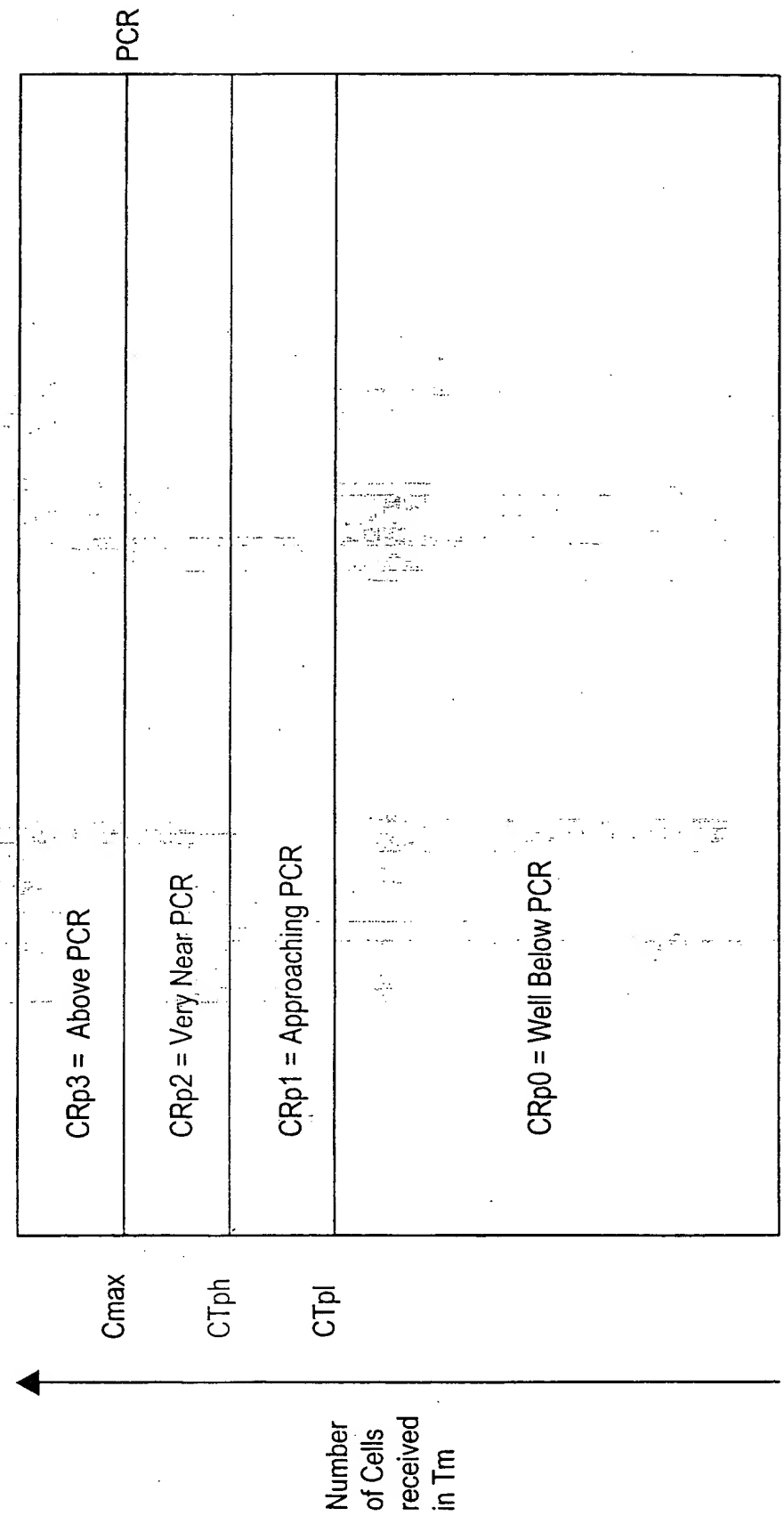
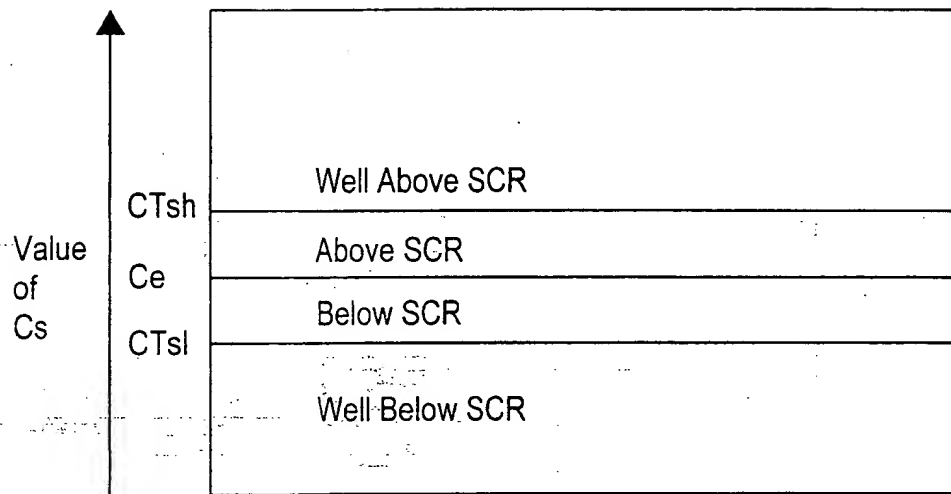
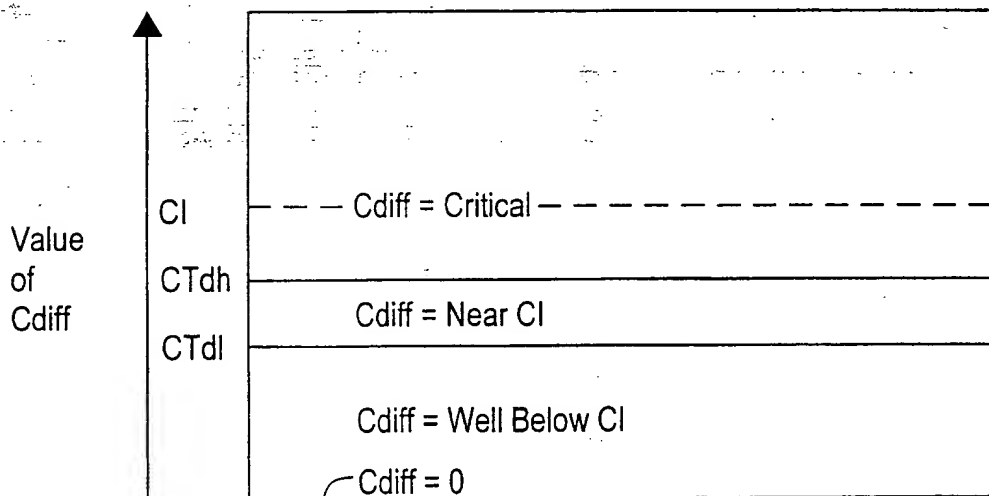


Fig. 12



**Fig.13**



**Fig.14**